

# University of Idaho Energy Expertise in Geology

CAES Research Symposium  
January 2011





# UI/Geology Energy Research

- Volcanic/thermal systems research (Geist)
- Geothermal site characterization & modeling (Fairley)
- Geomechanics & rock fracturing (Kattenhorn)
- Water resource management for energy systems (Johnson)



Geothermal well photo by T. Williams (UI), Oct 2004

# Current Research



- Fluid & energy transport modeling (Fairley)
- Stress field & fracture modeling (Kattenhorn)
- Geochemistry of thermal systems (Harpp)
- Collaborations: INL, IPGT, AVL(Japan), other

# The Future at UI

- Geology Dept: 2 new energy-related positions (exp. Fall 2011)
- 2011 USDOE NSGC grant (4 students, 1 staff plus faculty advisor)
- New collaboration with Mighty River Power, Univ Canterbury (NZ)

